## IN THE CLAIMS

This listing of claims replaces all prior listings:

1. (Currently Amended) A In a magnetoresistive device having:

an intermediate layer; and

a pair of ferromagnetic layers opposed to each other to obtain variations in

magnetoresistance by an electric current flowing to the in a direction perpendicular to the film

plane, said pair of ferromagnetic layers comprising a fixed magnetization layer located

adjacently below said intermediate layer and a free magnetization layer located adjacently above

said intermediate layer, a magnetoresistive device characterized in that said pair of ferromagnetic

layers is composed of a magnetization fixed layer made of a crystalline ferromagnetic layer

provided under said intermediate layer and a magnetization free layer being made of an

amorphous ferromagnetic layer being provided above said intermediate layer

wherein.

3.

said fixed magnetization layer is a crystalline ferromagnetic material that is an alloy of at

least one of the following iron, nickel and cobalt and said free magnetization layer is an

amorphous ferromagnetic material that is an alloy of an iron group element and metalloid

elements, rare earth elements and valve metals such that the compositions of the fixed

magnetization layer and the free magnetization layer result in a tunnel magnetic resistive (TMR)

ratio greater than 45%, a coercivity value less than 6% and a rectangle ratio greater than 90%.

2. (Original) A magnetoresistive device according to claim 1, characterized in that

said magnetoresistive device has a laminated ferri structure.

(Original) A magnetoresistive device according to claim 1, characterized in that

said magnetoresistive device is a tunnel magnetoresistive device using a tunnel barrier layer

made of an insulating material or a semiconducting material as said intermediate layer.

4. (Currently Amended) A magnetic memory apparatus comprising:

a word line;

a bit line; and

a magnetoresistive device sandwiched by said word line and said bit line, said

magnetoresistive device having an intermediate layer and a pair of ferromagnetic layers opposed

to each other to obtain variations in magnetoresistance by an electric current flowing to the in a

direction perpendicular to the film plane, said ferromagnetic layers comprising a fixed

magnetization layer located adjacently below said intermediate layer and a free magnetization

layer located adjacently above said intermediate layer.;

a word line a bit line sandwiching said magnetoresistive device in the thickness direction,

wherein,

said magnetic memory apparatus includes said pair of ferromagnetic layers composed of

a fixed magnetization layer is a crystalline ferromagnetic material that is an alloy of at least one

of the following iron, nickel and cobalt and said free magnetization layer is an amorphous

ferromagnetic material that is an alloy of an iron group element and metalloid elements, rare

earth elements and valve metals such that the compositions of the fixed magnetization layer and

the free magnetization layer result in a tunnel magnetic resistive (TMR) ratio greater than 45%, a

coercivity value less than 6% and a rectangle ratio greater than 90% magnetization fixed layer

made of a crystalline ferromagnetic layer provided under said intermediate layer and a

magnetization free layer being made of an amorphous ferromagnetic layer being provided above

said intermediate layer.

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- 5. (Original) A magnetic memory apparatus according to claim 4, characterized in that said magnetoresistive device has a laminated ferri structure.
- 6. (Original) A magnetic memory apparatus according to claim 4, characterized in that said magnetoresistive device is a tunnel magnetoresistive device using a tunnel barrier layer made of an insulating material or a semiconducting material as said intermediate layer.